

Date: Tue, 31 May 94 04:30:16 PDT
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>
Errors-To: Ham-Digital-Errors@UCSD.Edu
Reply-To: Ham-Digital@UCSD.Edu
Precedence: Bulk
Subject: Ham-Digital Digest V94 #170
To: Ham-Digital

Ham-Digital Digest Tue, 31 May 94 Volume 94 : Issue 170

Today's Topics:

 9600 bps radio modems
 AX25012/Linux
 GTOR vs Pactor: Well?
 help with IP coordinator.. please..
 Keplerian Elements
 LIST of TCP/IP address coordinators?
 Multi-mode TNC suggestions
 NOS/TCPIP
 Quiet computers
 Telix modem software doesn't choke on 7plus files
 Welcome to rec.radio.info!

Send Replies or notes for publication to: <Ham-Digital@UCSD.Edu>
Send subscription requests to: <Ham-Digital-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Digital Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-digital".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 30 May 1994 12:04:14 -0400
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!sol.ctr.columbia.edu!
news.kei.com!babbage.ece.uc.edu!ankh.iaa.org!rtp.vnet.net!char2.vnet.net!not-for-
mail@network.ucsd.edu
Subject: 9600 bps radio modems
To: ham-digital@ucsd.edu

Brian Kantor (brian@nothing.ucsd.edu) wrote:
: I'm disgusted with the performance of the carrier detect circuits in
: the three popular 9600 bps radio modems used by amateurs - the K9NG,
: G3RUH, and new TAPR modems.
: - Brian

Has anyone had a chance to take a GOOD look at the new KPC9612?
I understand that it should be FCC accepted in a week or two. I am
SERIOUSLY debating the purchase of one for myself (drool) and for
the local ARES/RACES organization.
Tnx in advance - 73 ded Dave, exe02594@vnet.net, N9UNR@WA9POV.#MKE.WI.USA

Date: 30 May 1994 14:35:25 GMT
From: ihnp4.ucsd.edu!usc!math.ohio-state.edu!jussieu.fr!univ-lyon1.fr!lanpc1.univ-
lyon1.fr!cerdini@network.ucsd.edu
Subject: AX25012/Linux
To: ham-digital@ucsd.edu

When I use in same time ax25 connection and tcp/ip connection, I always see
on the screen "Partial!"... What does it mean ? How we can stop this print ?

And how we can add route using AX25 gateway ?

73' !

--
Michel CERDINI - Universite Lyon 1 | E-Mail cerdini@lan1.univ-lyon1.fr
Laboratoire d'Analyse Numerique URA 740 | Tel Pro 72 43 10 93 - aka Djoe
43, boul. du 11 novembre 1918 | Minitel 78 36 19 96 (24h/24) v
69622 Villeurbanne Cedex, France. | Modem 78 36 10 01 (V32b/8N1) _/

Date: Mon, 30 May 1994 15:23:21 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!wupost!csus.edu!netcom.com!
rogjd@network.ucsd.edu
Subject: GTOR vs Pactor: Well?
To: ham-digital@ucsd.edu

My TS850S/AT is in the shop, so I can't work digital HF right now. So
I'm on the Internet a lot :-).

What is the consensus on GTOR? I saw a thread on this newsgroup to the
effect that it differed very little from Pactor in its performance. This
thread went on to maintain that only Pactor II could really exceed Pactor
in terms of thruput. (Strange lack of reference to Clover?)

On the other hand, the claims of Kantronics make one believe that GTOR
approaches GTOR, and presumably Clover, without forcing a complete
redesign of the TNC to give it 4-tone capability.

Since I'm temporarily off the air, and cannot discuss it directly that

way, I'd sure welcome some discussion on this topic! What is GTOR like?
Is it going to be the "digital mode of the 90s?" Or will the other TNC
manufactureers debunk Kantronic's claims and cause GTOR to fade away?

--

rogjd@netcom.com
Glendale, CA
AB6WR

Date: 30 May 94 21:53:38 EDT
From: ihnp4.ucsd.edu!usc!math.ohio-state.edu!darwin.sura.net!wvnmvs!
marshall.wvnet.edu!desaid@network.ucsd.edu
Subject: help with IP coordinator.. please..
To: ham-digital@ucsd.edu

Hi everyone:

I am planning on running TCP/IP and I dunno how to contact the area
IP coordinator. I enquired about that person but no one seems to know
him in our area. I dont have his address to send a snail mail.
Is there any other way I can contact him.
Please let me know.

thanks a lot.

73, Dinakar kb8phz

Date: 31 May 1994 03:55:45 -0000
From: news.delphi.com!news.delphi.com!not-for-mail@uunet.uu.net
Subject: Keplerian Elements
To: ham-digital@ucsd.edu

Could someone please direct me where i might find Keplerian Elements for
amateur satelllites and the like? Thanks, 73 jim

n8rhq @ delphi.com

Date: 30 May 1994 17:33:14 -0400
From: ihnp4.ucsd.edu!swrinde!emory!europa.eng.gtefsd.com!newsxfer.itd.umich.edu!
zip.eecs.umich.edu!panix!not-for-mail@network.ucsd.edu
Subject: LIST of TCP/IP address coordinators?
To: ham-digital@ucsd.edu

Does there exist a complete list of 44net TCP/IP coordinators?
(The people who assign IP addresses for our block)

(cc'd to Brian)

--

Daniel N2SXX
dmd@panix.com

Date: Tue, 31 May 1994 02:32:58 GMT
From: nwnexus!jhgrud!eskimo!aandh@uunet.uu.net
Subject: Multi-mode TNC suggestions
To: ham-digital@ucsd.edu

<9405200255591.DLITE.rabbi@delphi.com> <2rkih\$omj@herald.indirect.com>
Organization: Eskimo North (206) For-Ever

xpcom

I looked at a lot of programs befor I went to xpcon give it a try I work
Factor most of the time with a little time on ritty it will do every
thing I want You will like the ANSI it can be fun
73 Jim K7UDG/UA4PDG

Date: 30 May 1994 14:20:17 -0500
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!europa.eng.gtefsd.com!
news.umbc.edu!eff!news.duke.edu!news-feed-1.peachnet.edu!umn.edu!news.d.umn.edu!
ua.d.umn.edu!not-for-mail@network.ucsd.
Subject: NOS/TCPIP
To: ham-digital@ucsd.edu

Currently, I am running WNOS and find that it doesn't want to connect to
stations running MSYS. The question I have, is what can I do with WNOS
to get around this problem?

What other NOS's have no problem with MSYS? JNOS?

Jeremy

EMAIL: jremer@ub.d.umn.edu

--

Jeremy Remer

|jremer@ub.d.umn.edu | - _____ -

Computer Science Major |jremer@oldub.d.umn.edu | |/_|_____|\\|
University of Minnesota, Duluth. |jremer@nyx.cs.du.edu | __|/_| |\\|__

Date: Mon, 30 May 1994 19:14:27 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!torn!nott!cunews!
freenet.carleton.ca!FreeNet.Carleton.CA!ae517@network.ucsd.edu
Subject: Quiet computers
To: ham-digital@ucsd.edu

In a previous article, kevin.jessup@mixcom.mixcom.com (kevin jessup) says:

>>Here's a different subject...
>
>>What specific brands/models of PCs have folks found to be particularly
>>good or bad with regard to RF hash generated, and suseptability to
>>RF fields?
>
>My 2-meter packet system consists of a Yaesu FT2400H radio, a
>Kantronics KPC3 TNC and a Hewlett-Packard HP100LX palmtop
>computer. All running within 6 inches of each other on a
>small end-table. No problems.
>
I put up with noise on my clone for a few years until I lucked into a
TEMPEST-class box. It's pretty much "silent running" on HF and VHF. The
fan's a tad noisy, though.

--

Date: Tue, 31 May 1994 02:07:02 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!wupost!csus.edu!netcom.com!
wa2ise@network.ucsd.edu
Subject: Telix modem software doesn't choke on 7plus files
To: ham-digital@ucsd.edu

Just a quick comment that Telix 3.22 (I think that's the version #, well
close anyway) was the only modem software that didn't barf when uploading
a file that was prepared with 7plus (converts *.exe and *.com PC executables
so they can be sent thru the packet network, also has error correction).
Other modem software, like Crosstalk, PCmodem, PTP, and an old copy of
Qmodem would choke (do bad things like disconnect, excessive line feeds,
and such.). I also had to set the TNC to Xon/off to OFF. So that hardware
handshaking is used. Even so, only Telix would work correctly. Telix is
a shareware program, ftp-able from various sites like garbo or oak. Look

in the *.binaries.* groups.

Date: Mon, 30 May 1994 21:00:05 MDT
From: tribune.usask.ca!quartz.ucs.ualberta.ca!alberta!ve6mgs!rec-radio-info@decwrl.dec.com
Subject: Welcome to rec.radio.info!
To: ham-digital@ucsd.edu

Archive-name: radio/rec-radio-info/welcome
Last-modified: \$Date: 1994/01/02 22:00 \$
Version: \$Revision: 1.06 \$

*** Welcome to rec.radio.info! ***

Welcome to rec.radio.info, a group that aims to provide a noise-free source of information and news for the entire rec.radio hierarchy.

Two introductory articles about rec.radio.info are posted to the group and to news.answers every two weeks. You are now reading the first article, which explains what rec.radio.info is, and answers some Frequently Asked Questions. The second article is titled "Submission Guidelines", and you only need to read it if you want to submit an article to rec.radio.info.

You can skip to the next section of this article by searching for the next " -- " string. The sections available are:

- What is the purpose of rec.radio.info?
 - Why are messages almost always cross posted to rec.radio.info?
 - What is a 'follow-up', and what does 'moderated' mean?
 - OK, so now I know what 'moderated' means. Tell me more.
 - What type of material is considered inappropriate?
 - I do not have access to news, how can I get the information posted to rec.radio.info?
 - Will the material appearing in rec.radio.info be archived somewhere?
 - I have a regular posting with timely information, is there a way to speed up it's delivery, or automate for more convenience?
- What is the purpose of rec.radio.info?

The purpose or charter of rec.radio.info is to provide the Usenet community with a resource for information, news, and facts about any and all things radio.

All the other rec.radio groups are intended for discussions and general chit chat about radio. Rec.radio.info will contain informational, factual articles only. Follow-ups are redirected to an appropriate other group, and further discussion (if any) will not take place in rec.radio.info.

In order to ensure that rec.radio.info contains only appropriate articles, it was decided to create the group as a moderated newsgroup.

-- Why are messages almost always cross posted to rec.radio.info?

It provides a "tag" for each article to be assembled into a filtered presentation in rec.radio.info (even with cross-posting, only one message, with a unique Message-ID, is propagated across the net). This tag also facilitates a pre-existing method of dropping or cancelling the articles locally within the discussion groups if you don't want to see them. This accommodates individuals who want to separate the bulletins from the discussions, discussions from the bulletins, as well as those who are adamant about not reading another newsgroup and wanted to see everything all in one basket.

With the total size of Usenet (in number of newsgroups and total traffic) doubling every year or so, this is no insignificant contribution to reducing information noise and chaos. Making the discussion groups a catch-all, and making extra newsgroups filters on that catch-all, is also the most realistic way to implement such a scheme (It's not intuitively obvious what the charter, contents, and general appropriate topics for each and every newsgroup are. Seeing FAQ's and charter/intro postings in the home newsgroup is beneficial for new readers).

By cross-posting one only is adding a few tens of bytes to each bulletin (to specify the extra group on the Newsgroups line), but are adding the capability for very powerful filtering features available on most news servers, listservers and readers. Your local news guru could probably explain these features in more detail.

In rn, for example, according to Leanne Phillips in her rn kill-file FAQ, add a line of the form:

```
/Newsgroups:.*[ ,]rec\.radio\.info/h:j
```

either in ~/News/KILL (if you don't want to see rec.radio.info articles anywhere) or ~/News/rec/radio/amateur/misc/KILL (if you don't want to see them just in rec.radio.amateur.misc). The latter method means your kill file will only be consulted during rec.radio.amateur.misc (and hence runs more efficiently), and will probably work for most people.

In nn, according to Bill Wohler in his nn FAQ, add a line of the form:

```
rec.radio.info:!s/:^
```

in ~/.nn/kill (if you don't want to see rec.radio.info articles anywhere), or put the following lines:

```
sequence
```

```
rec.radio.info
```

```
rec.radio.
```

at the end of ~/.nn/init in order to see all the rec.radio.info bulletins first, then read the remaining rec.radio.* without the bulletins.

-- What is a 'follow-up', and what does 'moderated' mean?

If you are new to Usenet and are not familiar with the terminology, you might want to read the general introductory articles found in the newsgroup `news.announce.newusers`. Doing so will make your life on the net much easier, and will probably save you from making silly beginner's mistakes.

If you think that at this moment you are reading an echo, a conference, or a bulletin board, I'd also strongly suggest a trip over to `news.announce.newusers`.

For the rest of this article, I will assume you have a basic knowledge of Usenet terminology and mechanics.

A moderated group means that any article that needs to be posted to the group has to be accepted by the moderator of the group. Since we need to ensure that followups to an article (discussion) do not show up in the `rec.radio.info` newsgroup, the 'Followup-To:' header line contains a newsgroup that is appropriate for discussions about the specific article.

-- OK, so now I know what 'moderated' means. Tell me more.

`Rec.radio.info` is a moderated newsgroup, which means that all articles submitted to the group will have to be approved by the moderator first.

The current moderator of the group is Mark Salyzyn. Submissions to `rec.radio.info` can be posted, or e-mailed to:

`rec-radio-info@ve6mgs.ampr.ab.ca`

Comments, criticisms, suggestions or questions about the group can be e-mailed to:

`rec-radio-request@ve6mgs.ampr.ab.ca`

But before you do so, please be sure to check out the "Submission Guidelines" article.

The influence of the moderator should be minimal and of an administrative nature, consisting chiefly of weeding out obviously inappropriate articles, while making sure correct headers etc. are used for the appropriate ones.

-- What type of material is considered inappropriate?

There are three broad categories of articles which will be rejected by the moderator:

- 1) Requests for information: `rec.radio.info` is strictly a one-way street. I receive information in my mailbox; I then post it to `rec.radio.info`.

Requests for specific information belong in the normal discussion newsgroups. If your request gets answered, you might consider passing the answer on to rec.radio.info, though. Especially if you can edit it into a informational, rather than a discussion, format.

- 2) Obvious discussion articles, or articles that appear unsubstantiated.
- 3) Commercial stuff: a relatively unbiased test of a radio product would be accepted, but any hint of for-profit might be reason for rejection. For three reasons: This is not the purpose of the list, for-profit is a controversial topic, and this list may be passed onto Amateur Packet Radio (where for-profit is prohibited except under certain provisos).

rec.radio.swap (or possibly comp.newprod) may be more deserving of the posting in any matter.

Similarly, copyrighted material generally cannot be used. If it's TRULY worthwhile to the net, I would recommend obtaining permission from the copyright holder. Please note the source, and if permission was given. I reserve the right to make the final decision concerning appropriateness in all situations. In most cases, a brief summary of, or pointer to, the copyrighted information may be all I can allow.

-- I do not have access to news, how can I get the information posted to rec.radio.info?

brian@UCSD.EDU (Brian Kantor) has kindly supplied a mail list server for rec.radio.info. Non of the articles will be digested, due to their size, so you will receive individual mailings for every article posted to the group.

Mail sent to radio-info@ucsd.edu will be forwarded to the moderator and thus is an alias to rec-radio-info@ve6mgs.ampr.ab.ca

To subscribe and unsubscribe via the listserver; the format for that is

```
sub address radio-info
unsub address radio-info
```

where 'address' is your full mailing address. Send this request to

```
listserv@ucsd.edu
```

Note that the server will automatically delete any address that bounces mail. If you leave the address portion blank, it will try to deduce your address from the mail headers. This may not work if you are on bitnet, milnet or some other non-Unix host, so it is recommended to put your return address in any case. For example:

```
sub mymailbox@myhost.mydomain.mil radio-info
or
sub MEMEME01@DMBHST.bitnet radio-info
```

or something like that.

-- Will the material appearing in rec.radio.info be archived somewhere?

< Dated information here >

Yes. Still firming up details at the moment but here is a preliminary list:

- unbc.edu as maintained by Lyndon Nerenberg <lyndon@unbc.edu>
- nic.funet.fi maintained by Risto Kotlampi <rko@cs.tut.fi>
saved to /pub/dx/text/rec.radio.info currently stored as
numbered files.

Effectively this means that anything you post to rec.radio.info will be permanently stored, so your work will not be lost.

-- I have a regular posting with timely information, is there a way to speed up it's delivery, or automate for more convenience?

Yes, there is! It may take a bit of chatter with the moderator, but we are willing to take responsible people and provide them the means of posting the articles directly from their site. We will try everything we can as we fully realize that DX (distant signal) and astronomical data can be somewhat transitory. We are also willing to allow regular posters of information the same courtesy, even if the information is not as time critical.

We refer to this as self-moderation, which is partly based on the model for news.answer. This requires co-operation and good will to be beneficial to the community in the rec.radio hierarchy.

I suggest reading the posting guidelines for more information. I am open to suggestions.

I thank the following individuals for their input into this article:

```
rec.music.info moderator Leo Breebaart rec-music-info@cp.tn.tudelft.nl
rec.radio.broadcasting moderator Bill Pfeiffer wdp@gagme.chi.il.us
Paul W. Schleck, KD3FU pschleck@unomaha.edu
Ian Klufft, KD6EUI iklufft@uts.amdahl.com
```

--

Mark Salyzyn -- Moderator rec.radio.info

Submissions to: rec-radio-info@ve6mgs.ampr.ab.ca

Administrivia to: rec-radio-request@ve6mgs.ampr.ab.ca

* Requests for information do *not* belong in rec.radio.info *

End of Ham-Digital Digest V94 #170
